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DISTRIBUTION OF MOSQUITOES IN THE CONTINENTAL UNITED STATES.(U)
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Report SAM-TR-80-45

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**DISTRIBUTION OF MOSQUITOES IN THE
CONTINENTAL UNITED STATES**

Dennis D. Pinkovsky, Captain, USAF, BSC
Robert J. McKenna, Captain, USAF, BSC

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FEB 20 1981
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December 1980

Final Report for Period 1943 - 1979

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USAF SCHOOL OF AEROSPACE MEDICINE
Aerospace Medical Division (AFSC)
Brooks Air Force Base, Texas 78235



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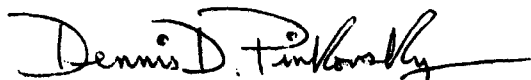
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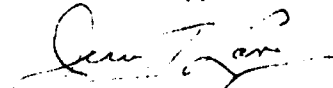
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This report has been reviewed by the Office of Public Affairs (PA) and is releasable to the National Technical Information Service (NTIS). At NTIS, it will be available to the general public, including foreign nations.


This technical report has been reviewed and is approved for publication.



DENNIS D. PINKOVSKY, Captain, USAF, BSC
Project Scientist



JERRY T. LANG, Major, USAF, BSC
Supervisor



ROBERT J. MCKENNA, Captain, USAF, BSC
Project Scientist



ROY L. DEHART
Colonel, USAF, MC
Commander

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Mosquito species listings, by State, are provided for the Continental United States (CONUS), including designation of the species found on CONUS U.S. Air Force installations.		

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DISTRIBUTION OF MOSQUITOES IN THE CONTINENTAL UNITED STATES

INTRODUCTION

This report provides U.S. Air Force personnel with an updated listing of all mosquito species collected on U.S. Air Force installations and known to occur in each State of the Continental United States (CONUS). These lists of mosquito species by State are useful to military and civilian public health and mosquito control agencies.

The Medical Entomology Section, Epidemiology Division, USAF School of Aerospace Medicine (USAFSAM), identified approximately 100,000 mosquito specimens from CONUS Air Force installations during 1979. This service is provided in accordance with AFR 161-1, Control of Vector-borne Diseases, and AFR 161-12, USAF Epidemiological Services. Since USAF installations in the majority of the 48 contiguous States submit mosquitoes for identification, a current summary of the mosquitoes known to occur in each State is a valuable aid for accurate identifications. The current lists were updated from SAM-TR-78-28¹ listings through a survey of recent entomological literature and were reviewed and amended by Dr. Ronald A. Ward of the Smithsonian Institution, Washington, D.C. Any remaining discrepancies are those solely of the authors of this publication.

USAF installations which have submitted particular species are noted by superscripts on the State lists. States having no USAF installations are identified by footnotes. The Medical Entomology Section will continue to periodically update this compilation as taxonomic and distributional findings warrant.

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Unpublished	□	□
Classification	□	□
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Availability Codes		
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¹Iochoa, Oscar, Jr., and Terry L. Biery. Distribution of mosquitoes in the Continental United States. SAM-TR-78-28, Aug 1978.

[illegible]

ALABAMA

Aedes

*aegypti*²
atlanticus
atropalpus
*canadensis canadensis*²
canadensis mathesoni
*cinereus*²
dupreei
fulvus pallens
hendersoni
infirmatus
*mittchellae*²
*sollicitans*²
sticticus
*taeniorhynchus*²
thibaulti
tormentor
*triseriatus*²
vexans^{1,2}

Anopheles

*atropos*²
*barberi*²
bradleyi
crucians^{1,2}
georgianus
*punctipennis*²
quadrimaculatus^{1,2}
*walkeri*²

Coquillettidia

perturbans^{1,2}

Culex

erraticus^{1,2}
*nigripalpus*²
peccator
pilosus
pipiens
*quinfasciatus*²
restuans^{1,2}
*salinarius*²
tarsalis

Culiseta

*inornata*²
*melanura*²

Orthopodomyia

alba
signifera

Psorophora

*ciliata*²
columbiae^{1,2}
*cyanescens*²
*discolor*²
*ferox*²
horrida
howardii
mathesoni

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*lowii*²
*sapphirina*²

Wyeomyia

haynei

¹Craig AFB

²Maxwell AFB

ALASKA¹

Aedes

aboriginis
campestris
canadensis canadensis
cataphylla
cinereus
communis
decticus
diantaeus
euedes
excrucians
fitchii
flavescens
hexodontus
impiger
implicatus
intrudens
mercurator
nigripes
pionips
pullatus
punctodes
punctor
riparius
ventrovittis
vexans

Anopheles *earlei*

Culex *territans*

Culiseta *alaskaensis* *impatiens* *incidens* *morsitans dyari* *particeps*

¹Although Alaska is considered in AFM 10-4 as overseas and not CONUS, the State is part of the North American continent and is included here.

ARIZONA

Aedes

aegypti
burgeri
cataphylla
*dorsalis*³
epactius
fitchii
implicatus
increpitus
kampi
monticola
muelleri
*nigromaculis*¹
papago
pullatus
purpureipes
sollicitans
*taeniorhynchus*³
trivittatus
varipalpus
ventrovittis
*vexans*¹⁻³

Anopheles

*franciscanus*³
freeborni
judithae

Culex

apicalis
arizonensis
coronator
*erythrothorax*³
*nigripalpus*³
peus
*quinquefasciatus*¹⁻³
restuans^{2,3}
*tarsalis*¹⁻³
*territans*²
thriambus

Culiseta

incidens
inornata^{1,3}
particeps

Orthopodomyia

kurmi
signifera

Psorophora

columbiae^{1,3}
*discolor*¹
howardii
*signipennis*¹⁻³

Uranotaenia

anhydor anhydor

¹Davis-Monthan AFB

²Luke AFB

³Williams AFB

ARKANSAS

Aedes

aegypti
atlanticus
atropalpus
*canadensis canadensis*²
cinereus
dupreæi
epactius
fulvus pallens
grossbecki
hendersoni
infirmatus
mittchellae
nigromaculis
sollicitans^{1,2}
*sticticus*²
taeniorhynchus
thibaulti
tormentor
triseriatus^{1,2}
trivittatus
vexans^{1,2}
zoosophus

Anopheles

barberi
crucians^{1,2}
pseudopunctipennis
punctipennis^{1,2}
quadrifasciatus^{1,2}
walkeri^{1,2}

Coquillettia *perturbans*²

Culex

erraticus^{1,2}
peccator
*pipiens*¹
quinquefasciatus^{1,2}
restuans^{1,2}
salinarius^{1,2}
*tarsalis*¹
*territans*²

Culiseta

inornata^{1,2}
*melanura*²

Mansonia

titillans

Orthopodomyia

alba
*signifera*²

Psorophora

*ciliata*¹
columbiae^{1,2}
*cyaneus*¹
discolor^{1,2}
ferox^{1,2}
horrida
howardii
longipalpus
mathesoni
*signipennis*²

Toxorhynchites

rutilus septentrionalis

Uranotaenia

lowii
sapphirina^{1,2}

¹Blytheville AFB

²Little Rock AFB

CALIFORNIA

Aedes

atropalpus
bicristatus
campestris
cataphylla
communis
deserticola
dorsalis^{1,5,7,8,10,11}
fitchii
flavescens
hemiteles
hexodontus
*increpitus*¹¹
*melanimon*¹
nigromaculis^{1-3,7,8}
niphadopsis
pullatus
schizopinax
sierrensis
squamiger^{5,11}
*sticticus*⁷
taeniorhynchus^{1,8}
ventrovittis
verans^{2,3,7,8,11}

Anopheles

freeborni^{1,2,7,8,11}
franciscanus^{1,11}
*occidentalis*¹¹
punctipennis^{1,3,7,11}

Coquillettidia
perturbans^{7,11}

Culex

anips
apicalis
boharti
*erythrothorax*¹⁻³
peus^{1,2,5}
pipiens^{1,2,7,8,10,11}
quinquefasciatus^{1-3,5-11}
reevesi
restuans^{3,11}
*tarsalis*¹⁻¹¹
territans
thriambus

Culiseta

impatiens^{1,7}
incidens^{1,7-9,11}
inornata^{1-3,5,7,8,10,11}
particeps^{1,8,11}

Orthopodomyia
*signifera*¹

Psorophora

columbiae^{2,7,8,11}
signipennis^{1,11}

Uranotaenia

anhydor anhydor

¹Beale AFB
²Castle AFB
³Edwards AFB
⁴George AFB
⁵Hamilton AFB
⁶March AFB

⁷Mather AFB
⁸McClellan AFB
⁹Norton AFB
¹⁰Travis AFB
¹¹Vandenberg AFB

COLORADO

Aedes

campestris
*canadensis canadensis*¹
*cataphylla*¹
*cinereus*¹
communis
*dorsalis*¹⁻⁴
epactius
excrucians
fitchii
flavescens
*hendersoni*¹
herodontus
impiger
implicatus
*increpitus*¹
*intrudens*¹
melanimon
nigromaculis^{1,2,4}
pionips
pullatus
punctor
schizopinax
*spencerii idahoensis*²
*sticticus*²
*trivittatus*⁴
*vexans*¹⁻⁴

Anopheles

*earlei*¹
franciscanus
freeborni
punctipennis

Coquillettidia

*perturbans*¹

Culex

*erythrothorax*¹
piptens^{1,3}
restuans
*salinarius*¹
*tarsalis*¹⁻⁴
*territans*¹

Culiseta

alaskaensis
impatiens^{1,4}
*incidens*¹
*inornata*¹⁻⁴

Psorophora

*columbiae*¹
signipennis^{1,2}

Uranotaenia

sapphirina

¹USAF Academy

²Ent AFB

³Lowry AFB

⁴Peterson AFB

CONNECTICUT¹

Aedes

abserratus
atropalpus
aurifer
canadensis canadensis
cantator
cinereus
dorsalis
excrucians
fitchii
hendersoni
intrudens
provocans
sollicitans
sticticus
stimulans
taeniorhynchus
thibaulti
triseriatus
trivittatus
vexans

Anopheles

crucians
earlei
punctipennis
quadrinaculatus
walkeri

Coquillettidia

perturbans

Culex

pipiens
restuans
salinarius
territans

Culiseta

impatiens
inornata
melanura
morsitans dyari
silvestris minnesotae

Orthopodomyia

signifera

Psorophora

ciliata
ferox

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

Wyeomyia

smithii

¹ No USAF installations

DELAWARE

Aedes

*atlanticus*¹
aurifer
*canadensis canadensis*¹
*cantator*¹
*cinereus*¹
dorsalis
dupreei
*excrucians*¹
fitchii
grossbecki
hendersoni
*infirmatus*¹
*mittchellae*¹
*sollicitans*¹
sticticus
stimulans
*taeniorhynchus*¹
thibaulti
tormentor
*triseriatus*¹
trivittatus
*vexans*¹

Anopheles

barberi
bradleyi
*crucians*¹
*punctipennis*¹
*quadrinaculatus*¹
walkeri

Coquillettidia

*perturbans*¹

Culex

*erraticus*¹
*pipiens*¹
*restuans*¹
*salinarius*¹
territans

Culiseta

*inornata*¹
*melanura*¹
*morvittans dyari*¹
silvestris minnesotae

Orthopodomyia

alba
*signifera*¹

Psorophora

*ciliata*¹
*columbiae*¹
*cyaneescens*¹
discolor
*ferox*¹
horrida
*howardii*¹
mathesoni

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*sapphirina*¹

Wyeomyia

smithii

¹Dover AFB

FLORIDA

Aedes

aegypti^{1,3}
atlanticus^{1,2,3,6,7}
canadensis canadensis^{1,3,7}
canadensis mathesoni
cinereus^{1,5}
*dupreei*¹
fulvus pallens
infirmatus^{1,4-6}
mittchellae^{1,3-7}
*sollicitans*¹⁻⁷
*sticticus*⁶
*taeniorhynchus*¹⁻⁷
thelcter
thibaulti
tormentor^{1,2,5}
tortilis
triseriatus^{1,3,6}
vexans^{1-3,5-7}

Anopheles

albinus
atropos^{1,4,5}
barberi^{1,2,5,7}
*bradleyi*⁵
*crucians*¹⁻⁷
*georgianus*⁵
perplexens
punctipennis^{1-3,5}
*quadrimaculatus*¹⁻⁷
walkeri^{2,4}

Coquillettidia

*perturbans*¹⁻⁷

Culex

atratus
bahamensis
*erraticus*¹⁻⁷
iolambdis
latisquama
mulrennani
*nigripalpus*¹⁻⁷
opisthopus
peccator
pilosus

Culis (cont)

*quinfasciatus*¹⁻⁷
restuans^{1,3-5,7}
*salinarius*¹⁻⁷
tarsalis^{1-3,6,7}
territans^{1,3,7}

Culiseta

inornata^{1,3,4}
melanura^{1,3-6}

Deinocerites

cancer

Mansonia

dyari
titillans^{1,6}

Orthopodomyia

*signifera*¹

Psorophora

*ciliata*¹⁻⁷
*columbiae*¹⁻⁷
cyanescens^{1,4,6,7}
discolor^{1,3}
*ferox*¹⁻⁴
*horrida*¹
howardii
johnstonii
mathesoni
pygmaea

Toxorhynchites

rutilus rutilus
rutilus septentrionalis

Uranotaenia

lowii^{1-4,6,7}
sapphirina^{1-4,6,7}

Wyeomyia

haynei
mittchellii
vanduzeei

¹Eglin AFB
²Homestead AFB
³Hurlburt Field

⁴MacDill AFB
⁵Orlando AFB
⁶Patrick AFB

⁷Tyndall AFB

GEORGIA

Aedes

aegypti^{2,3}
atlanticus^{2,3}
*atropalpus*²
*canadensis canadensis*¹⁻³
canadensis mathesoni
cinereus^{2,3}
dupreei
*fulvus pallens*³
hendersoni
*infirmatus*²
*mittchellae*¹⁻³
*sollicitans*¹⁻³
*sticticus*³
*taeniorhynchus*¹⁻³
thibaulti
*tormenton*¹⁻³
*triseriatus*¹⁻³
*trivittatus*¹⁻³
*vexans*¹⁻³

Anopheles

*atropos*³
barberi^{2,3}
bradleyi
*crucians*¹⁻³
georgianus
perplexens
*punctipennis*¹⁻³
*quadrimaculatus*¹⁻³
*walkeri*²

Coquilleltidia *perturbans*¹⁻³

Culex

erraticus^{2,3}
*nigripalpus*¹⁻³
*peccator*³
pilosus
pipiens^{2,3}

Culex (cont)

*quinfuefasciatus*¹⁻³
*restuans*¹⁻³
*salinarius*¹⁻³
tarsalis^{2,3}
territans^{1,3}

Culiseta

inornata^{2,3}
melanura^{2,3}

Mansonia

dyari

Orthopodomyia

alba
signifera

Protophona

*ciliata*¹⁻³
*columbiae*¹⁻³
cyaneescens
*discolor*¹⁻³
*ferox*¹⁻³
*horrida*²
*howardii*³
mathesoni

Toxorhynchites

*rutilus rutilus*³
rutilus septentrionalis

Uranotaenia

lowii
*sapphirina*¹⁻³

Wyeomyia

haynei
mittchellii

¹ Hunter AFB

² Moody AFB

³ Robins AFB

IDAHO

Aedes

aboriginis
campestris
canadensis canadensis
cataphylla
cinereus
communis
dorsalis
excrucians
fitchii
flavescens
hendersoni
hexodontus
impiger
implicatus
increpitus
intrudens
melanimon
mercurator
nevadensis
*nigromaculis*¹
niphadopsis
pionips
provocans
pullatus
punctor
schizopinax
sierrensis
spencerii idahoensis
sticticus
trivittatus
ventrovittis
*vexans*¹

Anopheles

earlei
freeborni
punctipennis

Coquillettidia
*perturbans*¹

Culex

boharti
erythrothorax
*pipiens*¹
restuans
salinarius
*tarsalis*¹
territans

Culiseta

alaskaensis
impatiens
incidens
*inornata*¹
morsitans dyari
silvestris minnesotae

¹ Mountain Home AFD

ILLINOIS

Aedes

abserratus
aegypti
atlanticus
aurifer
canadensis canadensis
cinereus^{1,2}
*dorsalis*¹
dupreei
excrucians
fitchii
flavescens
fulvus pallens
grossbecki
hendersoni
infirmatus
mittchellae
*nigromaculis*¹
punctor
sollicitans^{1,2}
spencerii spencerii
sticticus
stimulans
thibaulti
tormentor
*triseriatus*¹
trivittatus^{1,2}
vexans^{1,2}

Anopheles

barberi
*crucians*¹
punctipennis^{1,2}
quadrinaculatus^{1,2}
walkeri

Coquillettidia
*perturbans*¹

Culex

*erraticus*²
peccator
pipiens^{1,2}
quinquefasciatus^{1,2}
restuans^{1,2}
salinarius^{1,2}
tarsalis^{1,2}
*territans*¹

Culiseta

inornata^{1,2}
melanura
morsitans dyari
silvestris minnesotae

Orthopodomyia

alba
signifera

Psorophora

ciliata^{1,2}
columbiae^{1,2}
cyanesens^{1,2}
discolor^{1,2}
*ferox*¹
horrida
howardii
mathesoni

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*sapphirina*¹

Wyeomyia

smithii

¹ Chanute AFB

² Scott AFB

INDIANA

Aedes

abserratus
aegypti
atlanticus
atropalpus
aurifer
canadensis canadensis
cinereus
dorsalis
dupreei
excrucians
fitchii
flavescens
fulvus pallens
grossbecki
hendersoni
infirmatus
punctor
*sollicitans*¹
sticticus
stimulans
thibaulti
*triseriatus*¹
*trivittatus*¹
*verans*¹

Anopheles

barberi
crucians
*punctipennis*¹
*quadrinaculatus*¹
*walkeri*¹

Coquillettidia

*perturbans*¹

Culex

*erraticus*¹
*pipiens*¹
*quinquefasciatus*¹
*restuans*¹
*salinarius*¹
*tarsalis*¹
territans

Culiseta

*inornata*¹
melanura
morsitans dyari
silvestris minnesotae

Orthopodomyia

alba
signifera

Psorophora

*ciliata*¹
*columbiae*¹
*cyanescens*¹
*discolor*¹
ferox
horrida
howardii
mathesoni

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

Wyeomyia

smithii

¹Grissom AFB

IOWA¹

Aedes

aurifer
campestris
canadensis canadensis
cinereus
dorsalis
dupreei
fitchii
flavescens
hendersoni
implicatus
nigromaculis
punctor
riparius
sollicitans
spencerii spencerii
sticticus
stimulans
triseriatus
trivittatus
vexans

Anopheles

barberi
crucians
earlei
punctipennis
quadrinaculatus
walkeri

Coquilleltidia

perturbans

Culex

erraticus
pipiens
quinquefasciatus
restuans
salinarius
tarsalis
territans

Culiseta

impatiens
inornata
melanura
morsitans dyari
silvestris minnesotae

Orthopodomyia

alba
signifera

Psorophora

ciliata
columbiae
cyanescens
discolor
ferox
horrida
signipennis
mathesoni

Uranotaenia

sapphirina

¹No USAF installations

KANSAS

Aedes

aegypti
atlanticus
canadensis canadensis
*cinereus*¹
dorsalis
dupreei
epactius
flavescens
hendersoni
mittchellae
nigromaculis^{1,2}
sollicitans
spencerii
sticticus
stimulans
triseriatus
trivittatus
*vexans*²
zoosophus

Anopheles

barberi
crucians
earlei
franciscanus
pseudopunctipennis
punctipennis
quadrinaculatus
walkeri

Coquillettidia

perturbans

Culex

erraticus
peccator
pipiens
quinquefasciatus
restuans
salinarius
tarsalis
territans

Culiseta

*inornata*¹

Orthopodomyia

alba
signifera

Psorophora

*ciliata*¹
columbiae
cyanescens
discolor
ferox
horrida
howardii
longipalpus
signipennis

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

¹Forbes AFB

²McConnell AFB

KENTUCKY¹

Aedes

aegypti
atlanticus
atropalpus
canadensis canadensis
cantator
cinereus
dorsalis
dupreei
fulvus pallens
grossbecki
hendersoni
infirmatus
mittchellae
nigromaculis
sollicitans
sticticus
stimulans
thibaulti
tormentor
triseriatus
trivittatus
vexans

Anopheles

barberi
crucians
punctipennis
quadrinaculatus
walkeri

Coquillettidia *perturbans*

Culex

erraticus
nigripalpus
peccator
pilosus
pipiens
quinfuefasciatus
restuans
salinarius

Culex (cont)

tarsalis
territans

Culiseta

inornata
melanura
morsitans dyari

Orthopodomyia

alba
signifera

Psorophora

ciliata
columbiae
cyanescens
discolor
ferox
horrida
howardii
mathesoni
signipennis

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

¹ No USAF installations

LOUISIANA

Aedes

aegypti
atlanticus
*canadensis canadensis*¹
cinereus
dorsalis
dupreei
epacticus
fulvus pallens^{1,2}
grossbecki
hendersoni
*infirmatus*¹
mittchellae^{1,2}
nigromaculis
sollicitans^{1,2}
*sticticus*¹
taeniorhynchus^{1,2}
thibaulti
tormentor
*triseriatus*¹
trivittatus
vexans^{1,2}
zoosophus

Anopheles

*atropos*¹
barberi
bradleyi
crucians^{1,2}
georgianus
*pseudopunctipennis*¹
punctipennis^{1,2}
quadrinaculatus^{1,2}
*walkeri*¹

Coquilleltidia

*perturbans*¹

Culex

erraticus^{1,2}
nigripalpus^{1,2}
peccator
pilosus
quinquefasciatus^{1,2}
restuans^{1,2}
salinarius^{1,2}
*tarsalis*¹
territans

Culiseta

inornata^{1,2}
melanura

Orthopodomyia

alba
*signifera*¹

Psorophora

ciliata^{1,2}
columbiae^{1,2}
cyanescens^{1,2}
discolor^{1,2}
ferox^{1,2}
*horrida*¹
*howardii*¹
longipalpus
mathesoni

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*lowii*²
sapphirina^{1,2}

¹Barksdale AFB

²England AFB

MAINE

Aedes

abserratus
atropalpus
aurifer
*canadensis canadensis*¹
*cantator*¹
*cinereus*¹
*communis*¹
decticus
diantaeus
*excrucians*¹
fitchii
hendersoni
implicatus
*intrudens*¹
pionips
*provocans*¹
*punctor*¹
sollicitans
sticticus
stimulans
triseriatus
trivittatus
*vacans*¹

Anopheles

earlei
punctipennis
quadriraculatus
walkeri

Coquillettidia

perturbans

Culex

pipiens
restuans
salinarius
territans

Culiseta

*impatiens*¹
melanura
*morsitans dyari*¹

Wyeomyia

smithii

¹Loring AFB

MARYLAND

Aedes

abserratus
*atlanticus*¹
atropalpus
aurifer
*canadensis canadensis*¹
cantator
caspius dorsalis
cinereus
excrucians
fitchii
fulvus pallens
grossbecki
hendersoni
infirmatus
ritchellae
*sollicitans*¹
sticticus
stimulans
taeniorhynchus
thibaulti
tormentor
triseriatus
trivittatus
*vexans*¹

Anopheles

atropos
barberi
bradleyi
*crucians*¹
*punctipennis*¹
*quadrimaculatus*¹
walkeri

Coquillettidia
perturbans

Culex

*erraticus*¹
*pipiens*¹
*quinquefasciatus*¹
*restuans*¹

Culex (cont)

*salinarius*¹
territans

Culiseta

inornata
melanura
morsitans dyari
silvestris minnesotae

Orthopodomyia

alba
signifera

Psorophora

ciliata
*columbiae*¹
cyanescens
discolor
ferox
horrida
howardii
mathesoni

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

Wyeomyia

haynei
smithii

¹ Andrews AFB

MASSACHUSETTS

Aedes

abserratus
atropalpus
*aurifer*³
canadensis canadensis^{1,3}
cantator
caspian dorsalis
cinereus^{1,3}
communis
decticus
diantaeus
excrucians^{1,3}
fitchii^{1,3}
hendersoni
implicatus
intrudens
mittellae
provocans
*punctor*³
sollicitans
sticticus
stimulans
taeniorhynchus
*triseriatus*¹
trivittatus
vexans^{1,3}

Anopheles

crucians
earlei
*punctipennis*¹
*quadrinaculatus*³
*walkeri*³

Coquillettia
perturbans^{1,3}

Culex

pipiens^{1,3}
*restuans*³
*salinarius*¹⁻³
territans^{1,3}

Culiseta

impatiens
*inornata*³
melanura
morsitans dyari
silvestris minnesotae

Orthopodomyia

signifera

Psorophora

ciliata
*columbiae*³
ferox

Uranotaenia

*sapphirina*³

Wyeomyia

smithii

¹Hanscom AFB

²Otis AFB

³Westover AFB

MICHIGAN

Aedes

*abserratus*²
atropalpus
aurifer
barri
*campestris*²
*canadensis canadensis*¹
*caspius dorsalis*³
*cinereus*¹⁻³
communis
decticus
diantaeus
dupreei
euedes
*excrucians*³
fitchii
flavescens^{1,3}
hendersoni
impiger
implicatus
intrudens
mittchellae
pionips
provocans
*punctor*¹⁻³
riparius
sollicitans
spencerii spencerii
*sticticus*³
stimulans
*triseriatus*¹⁻³
trivittatus^{1,3}
*verans*¹⁻³

Anopheles

barberi
crucians
*earlei*³
*punctipennis*³
*quadriraculatus*¹⁻³
*walkeri*³

Coquillettidia

*perturbans*¹⁻³

Culex

erraticus^{2,3}
peccator
*pipiens*¹⁻³
restuans^{2,3}
*salinarius*¹⁻³
tarsalis
*territans*²

Culiseta

impatiens
incidens
*inornata*¹⁻³
melanura^{1,3}
*morsitans dyari*¹⁻³
silvestris minnesotae

Orthopodomyia

alba
signifera

Psorophora

ciliata
ferox
horrida

Uranotaenia

*sapphirina*³

Wyeomyia

smithii

¹Kincheloe AFB

²K I Sawyer AFB

³Wurtsmith AFB

MINNESOTA

Aedes

abserratus
atropalpus
aurifer
campestris
*canadensis canadensis*¹
*caspius dorsalis*¹
*cinereus*¹
decticus
diantaeus
euedes
*excrucians*¹
fitchii
*flavescens*¹
hendersoni
implicatus
intrudens
nigromaculis
pionips
provocans
punctor
riparius
spencerii spencerii
sticticus
stirulans
*triseriatus*¹
trivittatus
*vexans*¹

Anopheles

barberi
earlei
punctipennis
*quadrinaculatus*¹
*walkeri*¹

Coquillettidia

*perturbans*¹

Culex

erraticus
*pipiens*¹
*restuans*¹
salinarius
*tarsalis*¹
territans

Culiseta

*inornata*¹
*melanura*¹
*morsitans dyari*¹
silvestris minnesotae

Orthopodomyia

signifera

Psorophora

ciliata
columbiae
ferox
horrida

Uranotaenia

sapphirina

Wyeomyia

smithii

¹Duluth IAP

MISSISSIPPI

Aedes

*aegypti*³
*atlanticus*³
canadensis canadensis^{1,3}
*caspius dorsalis*¹
cinereus^{1,3}
dupreei
fulvus pallens
grossbecki
hendersoni
infirmatus
mittchellae^{1,3}
sollicitans^{1,3}
sticticus^{2,3}
stimulans
taeniorhynchus^{1,3}
thibaulti
tormentor
triseriatus^{1,3}
*vexans*¹⁻³

Anopheles

atropos^{1,3}
barbieri^{1,3}
bradleyi
crucians^{1,3}
georgianus
*pseudopunctipennis*³
punctipennis^{1,3}
*quadrimaculatus*¹⁻³
walkerii^{1,3}

Coquillettia *perturbans*^{1,3}

Culex

erraticus^{1,3}
nigripalpus^{1,3}
peccator
pilosus
*pipiens*³
*quinquefasciatus*¹⁻³
restuans^{1,3}

Culex (cont)

salinarius^{1,3}
tarsalis^{1,3}
territans^{1,2}

Culiseta

*inornata*¹⁻³
melanura

Orthopodomyia

alba
*signifera*¹

Psorophora

ciliata^{1,3}
*columbiae*¹⁻³
cyaneescens^{1,3}
*discolor*¹
*ferox*³
horrida
howardii
mathesoni

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*lowii*³
sapphirina^{1,3}

¹Columbus AFB

²Greenville AFB

³Keesler AFB

MISSOURI

Aedes

aegypti
atlanticus
canadensis canadensis
*caspius dorsalis*¹
cinereus
dupreei
epactius
flavescens
fulvus pallens
*grossbecki*¹
hendersoni
infirmatus
*nigromaculis*¹
riparius
*sollicitans*¹
sticticus
stimulans
thibaulti
tormentor
triseriatus
trivittatus^{1,2}
vexans^{1,2}

Anopheles

barberi
crucians
pseudopunctipennis
punctipennis^{1,2}
quadrimaculatus^{1,2}
walkeri

Coquillettidia *perturbans*

Culex

erraticus^{1,2}
peccator
pipiens^{1,2}
*quinquefasciatus*¹
*restuans*¹

Culex (cont)

*salinarius*¹
tarsalis^{1,2}
territans

Culiseta

impatiens
*inornata*¹
melanura

Orthopodomyia

alba
signifera

Psorophora

ciliata^{1,2}
columbiae^{1,2}
*cyaneoscens*¹
*discolor*¹
ferox
horrida
howardii
longipalpus
mathesoni
signipennis

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

¹ Richards-Gebaur AFB

² Whiteman AFB

MONTANA

Aedes

*campestris*¹
*canadensis canadensis*¹
*caspian dorsalis*¹
cataphylla
cinereus
communis
diantaeus
excrucians
fitchii
*flavescens*¹
hendersoni
hexodontus
impiger
implicatus
increpitus
intrudens
melanimon
mercurator
*nigromaculis*¹
pionips
provocans
pullatus
punctor
riparius
schizopinax
sierrensis
spencerii idahoensis
spencerii spencerii
sticticus
trivittatus
*vexans*¹

Anopheles

earlei
freeborni
punctipennis

Coquillettidia

perturbans

Culex

pipiens
restuans
*tarsalis*¹
territans

Culiseta

alaskaensis
impatiens
incidens
*inornata*¹
morsitans dyari
silvestris minnesotae

Psorophora

*signipennis*¹

¹Malmstrom AFB

NEBRASKA

Aedes

campestris
canadensis canadensis
*caspius dorsalis*¹
*cinereus*¹
fitchii
*flavescens*¹
hendersoni
implicatus
increpitus
melanimon
*nigromaculis*¹
*sollicitans*¹
spencerii idahoensis
spencerii spencerii
sticticus
stimulans
*triseriatus*¹
trivittatus
*vexans*¹

Anopheles

barberi
*earlei*¹
franciscanus
*punctipennis*¹
*quadrимaculatus*¹
walkeri

Coquillettidia *perturbans*¹

Culex

*erraticus*¹
*pipiens*¹
quinquefasciatus
restuans
*salinarius*¹
*tarsalis*¹
*territans*¹

Culiseta

*impatiens*¹
*incidens*¹
*inornata*¹
*melanura*¹

Orthopodomyia *signifera*

Psorophora

*ciliata*¹
*columbiae*¹
cyanescens
*discolor*¹
ferox
horrida
howardii
longipalpus
*signipennis*¹

Uranotaenia *sapphirina*

¹ Offutt AFB

NEVADA

Aedes

campestris
caspicus dorsalis
cataphylla
cinereus
communis
fitchii
hexodontus
increpitus
melanimon
nevadensis
nigromaculis
niphadopsis
pullatus
schizopinax
sierrensis
spencerii idahoensis
vexans

Anopheles

earlei
franciscanus
freeborni

Culex

apicalis
boharti
erythrothorax
peus
quinquefasciatus
tarsalis
territans
thriambus

Culiseta

impatiens
incidens
inornata

Psorophora

columbiae
signipennis

Uranotaenia

anhydor anhydor

NEW HAMPSHIRE

Aedes

abserratus
atropalpus
aurifer
*canadensis canadensis*¹
*cantator*¹
*cinereus*¹
communis
decticus
diantaeus
*excrucians*¹
*fitchii*¹
flavescens
hendersoni
impiger
implicatus
*intrudens*¹
provocans
*punctor*¹
*sollicitans*¹
sticticus
stimulans
taeniorhynchus
triseriatus
trivittatus
*vexans*¹

Anopheles

earlei
*punctipennis*¹
*quadrinaculatus*¹
*walkeri*¹

Coquillettidia

*perturbans*¹

Culex

*pipiens*¹
*restuans*¹
*salinarius*¹
territans

Culiseta

*impatiens*¹
*inornata*¹
*melanura*¹
*morsitans dyari*¹
silvestris minnesotae

Orthopodomyia

signifera

Psorophora

*ciliata*¹
ferox

Uranotaenia

*sapphirina*¹

Wyeomyia

smithii

¹Pease AFB

NEW JERSEY

Aedes

abserratus
atlanticus
atropalpus
aurifer
*canadensis canadensis*¹
*cantator*¹
caspius dorsalis
cinereus
communis
dupreei
*excrucians*¹
fitchii
flavescens
grossbecki
hendersoni
implicatus
intrudens
*mittchellae*¹
provocans
punctor
*sollicitans*¹
sticticus
stimulans
taeniorhynchus
*triseriatus*¹
trivittatus
*vexans*¹

Anopheles

atropos
barberi
bradleyi
crucians
earlei
*punctipennis*¹
*quadrimaculatus*¹
walkeri

Coquilleltidia
*perturbans*¹

Culex

*erraticus*¹
*pipiens*¹
*restuans*¹
*salinarius*¹
tarsalis
*territans*¹

Culiseta

*inornata*¹
*melanura*¹
morsitans dyari
silvestris minnesotae

Orthopodomyia

alba
signifera

Psorophora

*ciliata*¹
*columbiae*¹
cyaneescens
discolor
ferox
mathesoni

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*sapphirina*¹

Wyeomyia

smithii

¹McGuire AFB

NEW MEXICO

Aedes

aegypti
cumpestris^{1,2}
*caspianus dorsalis*¹⁻³
cataphylla
cinereus
communis
epactius
excrucians
fitchii
hendersoni
hexodontus
implicatus
increpitus
melanimon
mittchellae^{1,3}
monticola
muelleri
*nigroraculis*¹⁻³
pullatus
schizopinar
*sollicitans*¹⁻³
spencerii idahoensis
thelcter
trivittatus^{1,2}
*vexans*¹⁻³

Anopheles

crucians^{2,3}
*franciscanus*²
freeborni
judithae
*pseudopunctipennis*¹⁻³
*punctipennis*¹⁻³

Coquillettidia

perturbans

Culex

apicalis
coronator
erraticus
erythrothorax
*peus*¹
*quinquefasciatus*¹⁻³
*restuans*³
*salinarius*¹⁻³
*tarsalis*¹⁻³
thriambus

Culiseta

impatiens
*incidens*³
*inornata*¹⁻³

Orthopodomyia

alba
kurmi
signifera

Psorophora

*ciliata*¹
columbiae^{1,2}
cyanesens^{1,3}
*discolor*¹
*signipennis*¹⁻³

Uranotaenia

*anhydor syntheta*¹
sapphirina

¹Cannon AFB

²Holloman AFB

³Kirtland AFB

NEW YORK

Aedes

abserratus
aegypti
atlanticus
*atropalpus*⁴
aurifer
canadensis canadensis^{1,2,4}
cantator^{1,2,4}
caspius dorsalis^{1,2,4}
cinereus^{2,4}
communis
decticus
diantaeus
*excrucians*¹⁻⁴
fitchii
flavescens^{1,2,4}
grossbecki^{1,2,4}
hendersoni
impiger
implicatus
*intrudens*⁴
mittchellae
provocans
punctator^{2,4}
riparius
sollicitans^{1,2,4}
*spencerii spencerii*⁴
sticticus
stimulans
*taeniorhynchus*⁴
thibaulti
triseriatus^{1,4}
trivittatus^{1,2}
vexans^{1,2,4}

Anopheles

*barberi*²
bradleyi
crucians^{1,4}
*earlei*⁴
punctipennis^{1,2,4}
quadrimaculatus^{1,2,4}
walkeri

Coquillettidia
perturbans^{1,2,4}

Culex

*pipiens*¹⁻⁴
restuans^{1,2,4}
salinarius^{1,2,4}
territans^{2,4}

Culiseta

impatiens^{2,4}
*inornata*²⁻⁴
melanura^{2,4}
morsitans dyari
silvestris minnesotae

Orthopodomyia

alba
*signifera*⁴

Psorophora

ciliata
columbiae
ferox
mathesoni

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

Wyeomyia

smithii

¹Griffiss AFB

²Hancock Field

³Niagara Falls IAP

⁴Plattsburgh AFB

NORTH CAROLINA

Aedes

aegypti
*atlanticus*¹
atropalpus
*canadensis canadensis*²
cinereus
dupreei
fulvus pallens
hendersoni
infirmatus
*mitchellae*¹
*sollicitans*²
sticticus
*taeniorhynchus*¹
thibaulti
tormenter
*triseriatus*²
*trivittatus*¹
verans^{1, 2}

Anopheles

atropos
barberi
bradleyi
crucians^{1, 2}
georgianus
perplexens
punctipennis^{1, 2}
quadrinaculatus^{1, 2}
walkeri

Coquillettidia *perturbans*

Culex

erraticus^{1, 2}
*nigripalpus*²
peccator
pilosus
*pipiens*¹
quinquefasciatus^{1, 2}

Culex (cont)

*restuans*¹
salinarius^{1, 2}
*territans*²

Culiseta

inornata
*melanura*¹

Orthopodomyia

alba
signifera

Psorophora

*ciliata*²
columbiae^{1, 2}
*cyanescens*¹
discolor
ferox
horrida
howardii
mathesoni

Toxorhynchites

rutilus septentrionalis

Uranotaenia

lowii
*sapphirina*¹

Wyeomyia

haynei

¹Pope AFB

²Seymour Johnson AFB

NORTH DAKOTA

Aedes

campestris^{1,2}
canadensis canadensis^{1,2}
caspius dorsalis^{1,2}
cinereus^{1,2}
excrucians^{1,2}
*fitchii*²
flavescens^{1,2}
intrudens
nigromaculis^{1,2}
pionips
punctor
*riparius*²
sollicitans^{1,2}
spencerii idahoensis
spencerii spencerii^{1,2}
sticticus
triseriatus^{1,2}
trivittatus^{1,2}
vexans^{1,2}

Anopheles

earlei^{1,2}
*punctipennis*¹
quadriraculatus^{1,2}
walkeri

Coquillettidia

perturbans^{1,2}

Culex

erraticus
pipiens^{1,2}
restuans
salinarius^{1,2}
tarsalis^{1,2}

Culiseta

incidens^{1,2}
inornata^{1,2}
morsitans dyari^{1,2}

Orthopodomyia

signifera

Psorophora

signipennis

Uranotaenia

sapphirina

¹Grand Forks AFB
²Minot AFB

CH10

Aedes

absernitus
aegypti
atropalpus
aurifer
canadensis canadensis
*cantator*²
*caspian dorsalis*²
cinereus^{1,2}
dupreei
excrucians
*fitchii*²
flavescens
grossbecki
hendersoni
implicatus
mittchellae
riparius
sollicitans^{1,2}
spencerii spencerii
sticticus
stimulans
thibaulti
tormentor
triseriatus^{1,2}
*trivittatus*¹
vexans^{1,2}

Anopheles

barberi
crucians^{1,2}
perplexens
punctipennis^{1,2}
quadrinaculatus^{1,2}
walkeri

Coquillettidia
perturbans

Culex

erraticus^{1,2}
pipiens^{1,2}
*quinquefasciatus*²
restuans^{1,2}
salinarius^{1,2}
tarsalis^{1,2}
*territans*²

Culiseta

inornata^{1,2}
melanura
morsitans dyari
silvestris minnesotae

Orthopodomyia

alba
signifera

Psorophora

ciliata^{1,2}
columbiae^{1,2}
*cyanescens*²
discolor^{1,2}
ferox
horrida
howardii
mathesoni

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*sapphirina*²

Wyeomyia

smithii

¹Rickenbacker ANGB

²Wright-Patterson AFB

OKLAHOMA

Aedes

aegypti
*atlanticus*²
canadensis canadensis
*caspius dorsalis*¹
cinereus
dupreei
epactius
fulvus pallens
hendersoni
mittchellae^{1,3}
*nigromaculis*¹⁻³
*sollicitans*¹⁻³
spencerii spencerii
sticticus
taeniorhynchus^{2,3}
thelcter
tormentor
triseriatus
trivittatus
*vexans*¹⁻³
*zoosopbus*¹

Anopheles

barberi
*crucians*¹
franciscanus
pseudopunctipennis
punctipennis^{1,2}
*quadrimaculatus*¹

Coquillettidia

*perturbans*¹

Culex

apicalis
*erraticus*¹⁻³
nigripalpus^{1,3}
peccator
peus
pipiens

Culex (cont)

*quinfuefasciatus*¹⁻³
restuans
*salinarius*¹⁻³
*tarsalis*¹⁻³
territans
thriarbus

Culiseta

incidens
inornata^{1,3}
melanura

Orthopodomyia

alba
signifera

Psorophora

*ciliata*¹⁻³
*columbiae*¹⁻³
*cyanescens*¹⁻³
*discolor*¹⁻³
ferox
horrida
howardii
longipalpus
mathesoni
*signipennis*¹⁻³

Toxorhynchites

rutilus septentrionalis

Uranotaenia

anhydor syntheta
lowii
sapphirina

¹Altus AFB

²Tinker AFB

³Vance AFB

OREGON

Aedes

aboriginis
aloponotus
campestris
caspicus dorsalis
cataphylla
communis
excrucians
fitchii
flavescens
hemiteleus
hendersoni
hexodontus
impiger
implicatus
increpitus
intrudens
melanimon
nevadensis
*nigromaculis*¹
niphadopsis
pionips
pullatus
schizopinax
sierrensis
spencerii idahoensis
sticticus
ventrovittis
vexans

Anopheles

franciscanus
*freeborni*¹
occidentalis
punctipennis

Coquillettidia

perturbans

Culex

apicalis
boharti
peus
pipiens
restuans
*tarsalis*¹
territans

Culiseta

impatiens
incidens
*inornata*¹
morsitans dyari
*particeps*¹
silvestris minnesotae

Orthopodomyia

signifera

¹Kingsley Field

PENNSYLVANIA

Aedes

abserratus
atropalpus
aurifer
canadensis canadensis
cantator
caspius dorsalis
cinereus
communis
lecticus
diantaeus
excrucians
fitchii
grossbecki
hendersoni
intrudens
mittchellae
provocans
punctor
sollicitans
sticticus
stimulans
taeniorhynchus
triseriatus
trivittatus
vexans

Anopheles

barberi
crucians
perplexens
punctipennis
quadrinaculatus
walkeri

Coquillettidia

perturbans

Culex

erraticus
pipiens
restuans
salinarius
tarsalis
territans

Culiseta

impatiens
inornata
melanura
morsitans dyari

Orthopodomyia

alba
signifera

Psorophora

ciliata
columbiae
ferox
horrida

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

Wyeomyia

smithii

RHODE ISLAND¹

Aedes

aberratus
atropalpus
aurifer
canadensis canadensis
cantator
cinereus
excrucians
fitchii
intrudens
provocans
sollicitans
stimulans
taeniorhynchus
triseriatus
trivittatus
vexans

Anopheles

crucians
punctipennis
quadrinaculatus
walkeri

Coquillettidia
perturbans

Culex

pipiens
restuans
salinarius
territans

Culiseta

melanura
morsitans dyari

Orthopodomyia

signifera

Psorophora

ciliata

Uranotaenia

sapphirina

Wyeomyia

smithii

¹No USAF installations

SOUTH CAROLINA

Aedes

*aegypti*¹
*atlanticus*¹⁻³
tropalpus
*canadensis canadensis*²
canadensis mathesoni
cinereus^{1,2}
*dupreei*²
fulvus pallens^{1,2}
grossbecki
hendersoni
infirmatus^{1,2}
*mittchellae*¹⁻³
*sollicitans*¹⁻³
sticticus^{1,2}
*taeniorhynchus*¹⁻³
*thibaulti*²
tormentor^{1,2}
triseriatus^{1,2}
trivittatus^{1,2}
*vexans*¹⁻³

Anopheles

atropos^{1,2}
*barberi*²
bradleyi^{1,2}
*crucians*¹⁻³
georgianus^{1,2}
*punctipennis*¹⁻³
*quadriraculatus*¹⁻³
walkeri

Coquillettidia *perturbans*¹⁻³

Culex

*erraticus*¹⁻³
*nigripalpus*¹⁻³
*peccator*²
*pilosus*²
pipiens

Culex (cont)

*quinquefasciatus*¹⁻³
*restuans*¹⁻³
*salinarius*¹⁻³
*tarsalis*¹⁻³

Culiseta

inornata^{1,2}
melanura^{1,2}

Orthopodomyia

*signifera*²

Psorophora

ciliata^{1,2}
*columbiae*¹⁻³
cyanescens^{1,2}
discolor^{1,2}
*ferox*²
horrida
*howardii*²
mathesoni

Toxorhynchites

rutilus rutilus
rutilus septentrionalis

Uranotaenia

*lowii*¹⁻³
*sapphirina*¹⁻³

Wyeomyia

haynei

¹Charleston AFB

²Myrtle Beach AFB

³Shaw AFB

SOUTH DAKOTA

Aedes

carpestris
canadensis canadensis
cinereus
dorsalis
flavescens
hendersoni
increpitus
intrudens
*nigromaculis*¹
sollicitans
spencerii idahoensis
spencerii spencerii
sticticus
stimulans
trivittatus
*vexans*¹

Anopheles

barberi
earlei
punctipennis
quadriraculatus
walkeri

Coquillettidia

perturbans

Culex

erraticus
*pipiens*¹
restuans
salinarius
tarsalis
territans

Culiseta

impatiens
incidens
inornata
morsitans dyari

Orthopodomyia

signifera

Psorophora

ciliata
*columbiae*¹
ferox
horrida
longipalpus
signipennis

Uranotaenia

sapphirina

TENNESSEE

Aedes

aegypti
atlanticus
atropalpus
canadensis canadensis
cinereus
dupreei
fulvus pallens
grossbecki
hendersoni
infirmatus
mittchellae
sollicitans
sticticus
thibaulti
tormentor
triseriatus
trivittatus
*vexans*¹

Anopheles

barberi
crucians
perplexens
*pseudopunctipennis*¹
*punctipennis*¹
*quadrimaculatus*¹
walkeri

Coquillettidia *perturbans*

Culex

*erraticus*¹
nigripalpus
peccator
pipiens
quinquefasciatus
*restuans*¹
*salinarius*¹
tarsalis
territans

Culiseta

inornata
melanura

Orthopodomyia

alba
signifera

Psorophora

ciliata
columbiae
cyaneescens
discolor
ferox
horrida
howardii
mathesoni
signipennis

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

¹Arnold AFS

TEXAS

Aedes

aegypti^{4, 10}
*atlanticus*¹³
atropalpus^{2, 4, 10, 14, 16}
bimaculatus
brelandi
*campestris*⁸
canudensis canudensis^{4, 6, 17}
dorsalis^{1-3, 6, 15, 17}
dupreei
epactius
fulvus pallens
grossbecki
hendersoni
*infirmatus*⁶
mittchellae^{1, 2, 7, 10, 11, 15, 17}
muelleri
nigromaculis^{1-8, 10-13, 15-17}
scapularis
sollicitans^{1-8, 10-17}
sticticus
taeniorhynchus^{2, 4-7, 10-12, 15-17}
thelcter^{4, 6-8, 10-16}
thibaulti
tormentor^{6, 13}
triseriatus^{4, 5, 8, 10, 11, 16, 17}
trivittatus^{5, 8, 10-13, 15}
vexans^{1-8, 10-17}
zoosophus^{2, 5, 10}

Anopheles

albimanus
atropos^{7, 10}
*barberi*⁷
bradleyi
crucians^{2, 4, 5, 7, 10-14}
franciscanus
*freeborni*⁵
judithae
pseudopunctipennis^{2, 4-6, 8, 10-15, 17}
punctipennis^{1, 2, 4-6, 8, 10-17}
quadrimaculatus^{2, 4-7, 10, 11, 15, 16}
walkeri

Coquillettidia

perturbans^{1, 5, 6, 10, 14-16}

Culex

abominator
apicalis
*chidesteri*¹³
coronator^{11, 12}
declarator
erraticus^{2, 4-7, 10-17}
erythrothorax^{10, 11, 15}
*interrogator*¹²
nigripalpus^{2, 4, 5, 10, 11, 13, 14}
*peccator*¹¹
peus^{1, 4, 11}
pilosus
quinquefasciatus^{1-7, 9-17}
restuans^{4, 6, 10, 11, 15, 17}
salinarius^{1, 2, 4-7, 10-17}
tarsalis^{1-6, 8-17}
territans^{11, 13, 15}
thriambus

Culiseta

incidens^{5, 15}
inornata^{1, 2, 4-6, 8, 10-12, 15-17}
melanura^{6, 15}

Deinocerites

mathesoni
pseudes

Haemagogus

equinus

Mansonia

*titillans*¹⁰

Orthopodomyia

alba
signifera^{4, 5}

Psorophora

ciliata^{1, 2, 4-17}
columbiae^{1, 2, 4-17}
cyanescens^{1, 2, 4-8, 10-17}
discolor^{1, 2, 4-8, 10-17}

TEXAS (Cont)

Psorophora (cont)

ferox^{5,6,11,12,15-17}

horrida

howardii^{4,6,10,11}

longipalpus

mathesoni

mexicana

signipennis^{1,2,4-6,8,10-17}

Toxorhynchites

rutilus septentrionalis

Uranotaenia

anhydor syntheta^{2,4-6,10-13}

lowii^{4,6,10,14}

sapphirina^{2,4-7,10-13,16,17}

1 Amarillo AFB
2 Bergstrom AFB
3 Biggs AFB
4 Brooks AFB
5 Carswell AFB
6 Dyess AFB

7 Ellington AFB
8 Goodfellow AFB
9 James Connally AFB
10 Kelly AFB
11 Lackland AFB
12 Laredo AFB

13 Laughlin AFB
14 Randolph AFB
15 Reese AFB
16 Sheppard AFB
17 Webb AFB

UTAH

Aedes

*campestris*¹
*caspianus dorsalis*¹
cataphylla
cinereus
communis
epactius
escrucians
fitchii
*flavescens*¹
hendersoni
hexodontus
impiger
implicatus
increpitus
intrudens
melanimon
nevadensis
*nigromaculis*¹
niphadopsis
pullatus
schizopinax
sierrensis
spencerii idahoensis
spencerii spencerii
sticticus
trivittatus
varipalpus
ventrovittis
*vexans*¹

Anopheles

earlei
franciscanus
freeborni

Coquillettidia
perturbans

Culex

apicalis
erythrothorax
*pipiens*¹
*quinquefasciatus*¹
*restuans*¹
*tarsalis*¹
territans
thriambus

Culiseta

impatiens
*incidens*¹
*inornata*¹
morsitans dyari
silvestris minnesotae

Orthopodomyia

signifera

Psorophora

signipennis

VERMONT¹

Aedes

abserratus
atropalpus
aurifer
canadensis canadensis
cinereus
diantaeus
excrucians
fitchii
grossbecki
provocans
punctor
sticticus
stimulans
triseriatus
vexans

Anopheles

earlei
punctipennis
quadrifasciatus
walkeri

Coquillettidia
perturbans

Culex
pipiens
restuans
salinarius
territans

Culiseta
impatiens

Uranotaenia
sapphirina

¹No USAF installations

VIRGINIA

Aedes

aegypti
*atlanticus*¹
atropalpus
*canadensis canadensis*¹
*cantator*¹
*cinereus*¹
dupreei
flavescens
fulvus pallens
*grossbecki*¹
hendersoni
infirmatus
*mittchellae*¹
*sollicitans*¹
*sticticus*¹
stimulans
*taeniorhynchus*¹
thibaulti
*triseriatus*¹
trivittatus
*verans*¹

Anopheles

*atropos*¹
barberi
bradleyi
*crucians*¹
*punctipennis*¹
*quadrifaculatus*¹
*walkeri*¹

Coquilleltidia *perturbans*¹

Culex

*erraticus*¹
peccator
*pipiens*¹
*quinquefasciatus*¹
*restuans*¹
*salinarius*¹
*tarsalis*¹
*territans*¹

Culiseta

*inornata*¹
*melanura*¹

Orthopodomyia

alba
signifera

Psorophora

ciliata
*columbiae*¹
*cyanescens*¹
discolor
*ferox*¹
horrida
howardii
mathesoni

Toxorhynchites

rutilus septentrionalis

Uranotaenia

*sapphirina*¹

Wyeomyia

haynei

¹Langley AFB

WASHINGTON

Aedes

aboriginis
aloponotum
campestris
canadensis canadensis
*caspius dorsalis*²
cataphylla
cinereus
communis
excrucians
fitchii
flavescens
hexodontus
impiger
implicatus
increpitus
intrudens
melanimon
nevadensis
nigromaculis^{2,3}
pionips
provocans
pullatus
punctor
sierrensis
spencerii idahoensis
sticticus
ventrovittis
vexans^{1,3}

Anopheles

earlei
*freeborni*¹
occidentalis
punctipennis

Coquillettidia

*perturbans*³

Culex

boharti
peus
*pipiens*¹
*tarsalis*¹⁻³
territans

Culiseta

impatiens
incidens
inornata^{1,2}
morsitans dyari
silvestris minnesotae

¹Fairchild AFB

²Larson AFB

³McChord AFB

WEST VIRGINIA¹

Aedes

atropalpus
canadensis canadensis
cinereus
hendersoni
sollicitans
sticticus
triseriatus
trivittatus
vexans

Toxorhynchites

rutilus septentrionalis

Uranotaenia

sapphirina

Anopheles

barberi
punctipennis
quadrinaculatus

Coquillettidia

perturbans

Culex

erraticus
pipiens
quinquefasciatus
restuans
salinarius
territans

Culiseta

inornata

Orthopodomyia

alba
signifera

Psorophora

ciliata
columbiae
ferox

¹No USAF installations

WISCONSIN

Aedes

abserratus
atropalpus
aurifer
campestris
canadensis canadensis
caspius dorsalis
cinereus
communis
diantaeus
excrucians
fitchii
flavescens
grossbecki
hendersoni
implicatus
intrudens
provocans
punctor
riparius
spencerii spencerii
sticticus
stimulans
triseriatus
trivittatus
verans

Anopheles

barberi
earlei
punctipennis
quadrinaculatus
walkeri

Coquillettidia

perturbans

Culex

erraticus
pipiens
restuans
salinarius
tarsalis
territans

Culiseta

impatiens
inornata
melanura
morsitans dyari
silvestris minnesotae

Orthopodomyia

signifera

Psorophora

ciliata
ferox
horrida
mathesoni

Uranotaenia

sapphirina

Wyeomyia

smithii

WYOMING

Aedes

campestris
canadensis canadensis
*caspius dorsalis*¹
cataphylla
cinereus
communis
diantaeus
excrucians
fitchii
flavescens
hendersoni
hexodontus
impiger
implicatus
increpitus
intrudens
melanimon
mercurator
nevadensis
*nigromaculis*¹
niphadopsis
pionips
pullatus
punctor
*schizopinax*¹
spencerii idahoensis
spencerii spencerii
sticticus
trivittatus
ventrovittis
*vexans*¹

Anopheles

earlei
franciscanus
freeborni
*punctipennis*¹

Coquillettidia *perturbans*

Culex

*pipiens*¹
*restuans*¹
*salinarius*¹
tarsalis
territans

Culiseta

alaskaensis
impatiens
*incidens*¹
inornata

Psorophora

signipennis

¹F E Warren AFB

FILMED
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